OneStepGPS

Installing your Asset GPS Tracker

Here are instructions for Installing Your GPS Tracker on a Trailer or Connected Equipment. For additional assistance, please visit OneStepGPS.com to chat with a representative or call (888) 813-7521.

1. Choose a Secure Mounting Location:

- **Choose a Secure Spot:** Select a stable, non-moving part of the trailer or equipment away from impact-prone areas and moving parts.
- **Signal Accessibility:** Ensure the device has a clear view of the sky for optimal GPS and cellular signal reception.

  Avoid placing the tracker directly under metal or inside metal casings.

2. Wiring Connections

Trailers & Non-Powered Assets

You must connect specific wires from the wiring harness to the back of the trailer's power hookup. When the ignition is on, the trailer draws power to provide "live" tracking and recharge the internal battery.

Once disconnected, the tracker will automatically switch to self-powered mode.

- **Identify Trailer Connector Pins:** Locate the power hookup on the front end of the trailer.
- **Power:** Connect the Red and White wires (on the GPS wiring harness) to the pin for Running Lights (typically Brown) or Aux/12V Power (Typically Red or Black).
- **Ground:** Connect the black wire (on the GPS wiring harness) to the pin for Ground (typically White).

Note: To ensure your tracker is wired correctly, we recommend using a circuit tester to verify each pin's function. Wire colors can vary and are not always reliable indicators of function. Incorrect wiring can potentially damage electrical components.

Motor Vehicles and Heavy Equipment (Gas & Diesel)

- **Power (Red):** Connect the red wire to the positive terminal for constant power (12V-24V) even when the ignition is off, ensuring continuous power to the GPS tracker and its battery. The connection point should be fuse-protected to not more than five amps.

- **Ground (Typically Black):** Connect the wire to the frame of the asset.

- **Accessory (White):** If you install the GPS device inside a cab, you can connect the white wire to an ignition or accessory circuit.
  CAUTION: If the tracker detects power on the white wire, it enters a live tracking mode, sending constant updates. Avoid connecting the white wire to constant power, as this prevents sleep mode and can drain the battery.

3. Secure the Wires

Run cables along the asset frame, securing them with zip ties or clips to avoid interference from moving parts or sharp edges.

> The tracker is not charged when received. It is recommended to charge the unit overnight (6hrs minimum) to ensure the internal battery gets a full charge. This will ensure it has enough power to continue reporting when no longer connected to a vehicle. The tracker recharges each time the trailer is hooked up to vehicle and the tracker is receiving power through that vehicle.

4. Testing and Configuration

Power and Signal Test: Turn on the tracker, verify that it draws power correctly from the asset or truck, and switch to internal battery power when disconnected.

Configure Tracking Settings: You can call our Support team to adjust the tracking interval and configure alerts on the tracking platform to manage battery life in self-powered mode.

5. Confirm that the Tracker is Connected Correctly

Check the device's LED lights:

Green
- Flashing = Acquiring GPS signal.
- Solid = GPS Signal locked on.

Orange
- Flashing = Acquiring Cell signal
- Solid = Cell signal locked on

Additional Notes

1. If the wires are exposed, wrap them with plastic protective cable wrap, which is standard for automotive applications.

2. Apply dielectric grease to any connections subjected to moisture or water.

3. We recommend poking and wrapping:

a) Strip back the insulation on the wire to be connected and poke a hole through the wire.

b) Insert the wire to be connected through the hole.
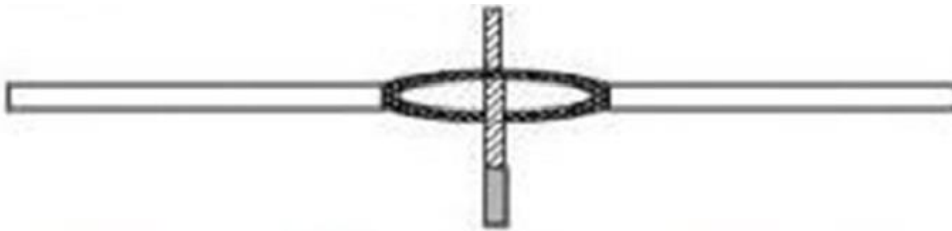
c) Wrap the connected wire on both sides of the connection to form a knot and pull the connection tight.

d) Wrap the connection with 3M Super 33+ tape. You can also zip tie to prevent unraveling. You can use additional zip ties to secure wiring, fuses, and devices.